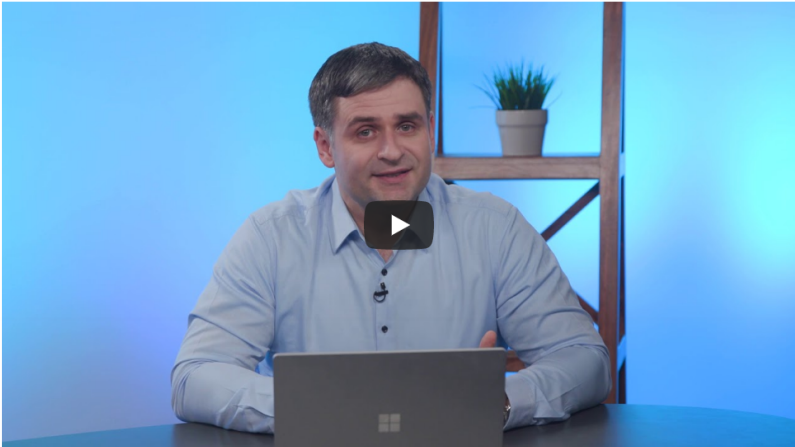


Training Classifiers

As we described in the last lesson, two of the main types of *supervised learning* are **classification** and **regression**. In this section, we'll get some practice training both of these types of models. But first, let's discuss the concepts in more detail—starting with **classification**.

*In a **classification** problem, the outputs are categorical or discrete.*

For example, you might want to classify emails as *spam* or *not spam*; each of these is a discrete category.



QUIZ QUESTION

As we described in the video, there are three main types of classification problem. Can you mark which type each of these examples belongs to?

Submit to check your answer choices!

EXAMPLE	TYPE
Classify an image as one (and only one) of five possible fruits.	Multi-class single-label classification
Classify medical test results as "positive" or "negative".	Binary classification
Classify music as belonging to multiple groups (e.g., "upbeat", "jazzy", "pop").	Multi-class multi-label classification

SUBMIT

NEXT